

03 July 1996

MEMORANDUM

From:

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To:

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Subj: NSA MEMPHIS BRAC CLEANUP TEAM (BCT) MEETING, 24-26 JUNE 96

Encl: (1) Minutes from 24-26 June 1996 BCT Meeting
(2) Draft RAB Agenda for 23 July Meeting
(3) Results of the "Keys To Opening The Door To BCT Success" Questionnaire
(4) Copy of Signed Charter

1. Enclosure (1) is forwarded for your review and information (note - this sets the standard for all future scribes). As a reminder, the next BCT is scheduled for 22-24 July, including a RAB meeting on 23 July. A draft RAB agenda is forwarded as enclosure (2). A summary of 10 areas identified in the questionnaire "Keys To Opening The Door To BCT Success" as needing improvement is provided as enclosure (3). A copy of the signed charter is provided as enclosure (4) for your records.

2. Follow-up assignments are summarized below:

EnSafe (Lawson Anderson):

- Construct a 3-D map of the TCE-contaminated areas in the vicinity of Hangar N-126 and the surrounding apron.
- Secure the service of Dr. Rouhani to conduct a geostatistical analysis of the BRAC data (SWMU 7/apron area, as well as Turkey Shoot) to determine if and where additional monitoring wells are needed. Also, have Dr. Rouhani perform 3D geostatistics on data from upper and lower fluvial to determine if there is a correlation. Also, have Dr. Rouhani evaluate the need for additional geological data.

NOTE

- In accordance with the Deliverable Schedule, provide the following documents before the July BCT meeting:
 - SWMU 60 (to be provided by 5 July)
Voluntary Corrective Action Work Plans for SWMUs 3,7,18, & Gas Pits (Finals)
 - CAMP (to be provided by 5 July)
 - Assembly F Work Plan (to be provided by 28 June)
- • Recalculate background levels based on 13 sites.
- • Update color map indicating environmental condition of property (BRAC map) for July RAB meeting (provide draft for review by 2nd week in July). Groundwater contamination will be shown with either a cross-hatch or overlay (Brian Donaldson will check to see how it has been done at other locations)
- Update environmental timetable for July RAB.
- Coordinate with Rob Williamson to produce "before & after" photographs of SWMU 67 for the July RAB meeting.
- Expand fish tissue sampling to include golf course ponds and Navy Lakes. Collect fish tissue samples and surface water samples from both sites. Collect sediment samples from the golf course ponds (sediment samples from Navy Lakes were previously collected).
- Incorporate the sampling of the drainage ditch near SWMU 57 into the south side DERA investigation.
- Investigate the possibility of beginning pilot studies with existing data.
- Prepare a proposal (with rationale) for ground water sampling

EPA Region IV (Brian Donaldson):

- Review deliverables to be discussed at the July BCT:
 - SWMU 1
 - SWMU 5
 - SWMU 60
 - Assembly D CSI
 - CAMP
 - Assembly F Work Plan
- Submit Technical Memorandum with Risk Assessment from fish tissue sampling from SWMU 9 (sewage lagoons) to EPA Risk Assessor for review.
- Arrange for Earl Bozeman, EPA Ecological Risk Assessor, to attend the July BCT (site visit scheduled for Wednesday 24 July).
- Check with other EPA personnel to see how issue of contaminated groundwater was shown on EBS colored map for property to be handled under an innovative land transfer.
- Coordinate with Rob Williamson and John Richards (EPA) regarding the new EPA radiation survey guidance, and ensure guidance is incorporated in radiation survey to be conducted by TDEC.

NSA Memphis - Environmental (Tonya Barker/Rob Williamson):

- Issue service call with DynCorps to have tank pit at SWMU 19 (Navy Exchange Gas Station) capped with asphalt.
- Complete the disposal of IDW from Assembly A investigation.
- Post golf course ponds with signs indicating "Catch and Release Fishing Only - Biological Study Underway - Contact NSA Memphis Environmental Office for Information 874-5461."
- Coordinate with TDEC and EPA on radiation survey (incorporate new radiation survey guidance from EPA - coordinate with John Richards at EPA through Brian Donaldson).
- Arrange for the cleanup of SWMU 66 by DynCorps, including the recycling of CFC from disposed refrigerators. Provide BCT with the list of pesticides and herbicides to be applied by DynCorps to the area.
- Monitor the proposed demolition for Building N-121, and notify the BCT of the schedule once it has been established.
- Assemble "before & after" photographs of SWMUs 67 for presentation at the July RAB meeting.
- Coordinate the cleaning of the storm drain near SWMU 57. Photograph the drain inlet before and after the cleaning. Sample the drain contents for disposal (sampling of the drainage ditch will be conducted by EnSafe, and will be incorporated into the south side DERA investigation).

SOUTH DIV (David Porter):

- Coordinate with the Base Reuse Committee on the placement of the roadway at SWMU 60.
- Begin coordination for the development of a Finding of Suitability to Transfer (FOST) for the airfield and the land west of the airfield.
- Coordinate with CAPT Mallory on sending a letter from RAB co-chairs regarding the low attendance of board members at RAB meetings, and the possibility of changing the meetings to a quarterly schedule.

- Coordinate with Freda Ellerbook and David Watt on contacting RAB board members by telephone immediately prior to the July RAB meeting.
- Arrange for Darrell Molzan to attend the July RAB meeting to provide a presentation on NEPA requirements, and the status of the Environmental Impact Statement for NSA Memphis.
- Summarize the results from the "Keys to Opening the Door to BCT Success" questionnaire.

SOUTHDIV (Mark Taylor):

- Coordinate with Lawson Anderson and develop a proposal (with rationale) for ground water sampling

TDEC (Jim Morrison):

- Coordinate radiation survey by TDEC personnel with Rob Williamson and Brian Donaldson (ensure the survey will incorporate new radiation survey guidance from EPA).
- Review deliverables to be discussed at July BCT meeting:
 - SWMU 1
 - SWMU 5
 - SWMU 60
 - Voluntary Corrective Action Work Plans for SWMUs 3,7,18, & Gas Pits (comments to EnSafe by 3 July)
 - Assembly D CSI
 - CAMP
 - Assembly F Work Plans

USGS (Jack Carmichael):

- Secure a revised proposal from Rick Miller with the Kansas Geological Survey for the seismic investigation (lines to define faults, area around Hangar N-126 to be excluded due to culture).

3. Please call/e-mail if you have comments and/or questions: (803) 820-5610, DSN 583, e-mail: dlporter@efdsouth.navfac.navy.mil.



BCT Meeting Notes

June 24, 1996 11:00 am

The following people were in attendance:

Otis Johnson, EPA - RCRA Permitting
Brian Donaldson, EPA Region 4 (Scribe)
David Porter, SOUTHDIV
Mark Taylor, SOUTHDIV
Jack Carmichael, USGS (Nashville)
Lawson Anderson, Ensaf
Robert Smith, Ensaf
Brian Mulhearn, Ensaf
Fred Swan, Ensaf
Clayton Bullington, TDEC- RCRA(Nashville)
Jim Morrison, TDEC (Memphis) (Timekeeper)
Tonya Barker, NSA Memphis

Brian Mulhearn discussed updated information on the fish sampling results from SWMU 9. The SWMU 9 memo includes FDA action levels for the contaminants detected in the fish tissue samples. The FDA numbers are used to regulate the sale of meat. The contaminants above the EPA Region 3 RBC levels are below the FDA action levels. The BCT agreed to recommend that the no-fishing signs remain posted at SWMU 9. The BCT will reassess the posting of the no-fishing sign after an EPA risk assessor reviews the fish sampling results and draft risk assessment.

The BCT also agreed that the fish in the Northside ponds should be sampled. In addition to the fish tissue sampling, sediment and surface water samples will be collected from the golf course pond and surface water samples will be collected from the Navy ponds. According to Fred Swan of Ensaf, several species of fish exist in the Navy ponds. In order to get representative fish samples from all species, Ensaf may use an Electro-shock device to collect fish. Ensaf will also contact NSA-Memphis personell to determine when the Navy ponds were last stocked.

The BCT agreed to recommend to Captain Mallory that the Golf Course be posted with "No-Fishing" or "catch and release" signs due to the pesticided and herbicides applied at the golf course. The BCT agreed that a "No-Fishing" ban is not necessary at this time for the Navy ponds.

Brian Donaldson informed the BCT that Earl Bozeman, EPA Ecological Risk Assessor, would like a site visit during the July BCT meeting. The BCT agreed that a site visit by Earl would be helpful. Earl will conduct the site visit on Wednesday, July 24, 1996.

David Porter drafted a letter and questionnaire for Mayor Harvell's and Captain Mallory's signature to the RAB addressing the low attendance at recent RAB meetings. The BCT provided

comments on the letter and the questionnaire.

Lawson Anderson provided surface soil sampling results and maps for SWMU 10. PAHs were found above the industrial RBC within the main cell at sampling points 4 and 5 along with a PCB hit at sampling point 6. Sediment samples from 2 of the 3 gullies exceed industrial RBCs for PAHs. A full blown Risk Assessment will be conducted for SWMU 10. The source of the PAHs may be from a railroad be that ran through this area.

The Team charter was finalized and signed by members on Wednesday, June 26.

The BCT discussed the strategy for the land transfer. According to David Porter, the Environmental impact statement is supposed to be complete by November 1996. This strategy will be discussed with the reuse committee on Tuesday.

The BCT discussed the EBS colored map, specifically areas of groundwater contamination where the surface is clean. If an innovative land transfer is used (transferring the land while the Navy retains ownership of the contaminated groundwater) this area would need to be colored green before the land can be transferred. The BCT agreed that these areas should be colored green with an overlay showing the extent of groundwater contamination. Brian Donaldson will check with other EPA personell to see if this issue has been addressed at any other military bases.

Groundwater contamination has been detected northwest of the Apron area. No monitoring wells have been install down-gradient of this area. This information along with all other groundwater monitoring data will be given to Dr. Rouhani to determine if and where additional monitoring wells are needed.

Otis Johnson of EPA and Clayton Bullington of TDEC discussed the RCRA permit renewal. EPA will try to issue the HSWA portion of the permit simultaneously with TDEC RCRA operating permit. According to Otis Johnson, No Further Action (NFA) SWMUs will be listed in Appendix I, CSI SWMUs in Appendix II and RFI SWMUs in Appendix III. Otis Johnson will give Brian Donaldson a copy of EPA's model permit to transmit to the BCT. After everyone has had a chance to review the status of all the SWMUs and the model permit, Otis will hold a conference call discuss the permit. Otis is hoping to public notice the permit the 1st week of August with a 45 day comment period. NSA-Memphis received an NOD from TDEC last week on the RCRA operating permit (storage area). NSA-Memphis and Ensaf e will address the NOD.

Ensaf e (Lawson Anderson)

(1) *Revise TEM.....*

DONE

(2) *Construct 3D-Model...*

In process, talked to Larry Hughes about 3D drawing. Thinks it can be done now using geophysical, chemical, and boring data.

(3) *Perform 3D Geostatistics...*

Lawson will set this up so Dr. Rouhani can look at data within the next month.

(4) Overlay of wastewater sewer lines.....
Available Weds. June 26, 1996.

* *coordinate with Mark Taylor on securing services with Dr. Rouhanol*
See #3 above.

* *Provide the following documents:*

<i>SWMU 1</i>	<i>Sent June 12</i>
<i>SWMU 5</i>	<i>Sent May 26</i>
<i>SWMU 60</i>	<i>Next Week</i>
<i>VCA Workplans</i>	<i>Done</i>
<i>Assem. D CSI</i>	<i>Sent June 21</i>
<i>CAMP</i>	<i>Next Week</i>
<i>Assem F</i>	<i>Friday</i>

* *Recalculate background levels*
In Progress

* *Complete the Questionnaire*
Will Do

* *Update color map*
Will Do

* *Update environmental timetable*
Will do

* *Coordinate before and after photos*
Will Do

* *Incorporate FDA limits*
Done

EPA Region 4 (Brian Donaldson)

* *Review deliverables*

SWMU 3 - Finalized
SWMU 1 - Will Review
SWMU 5 - Will Review
SWMU 60 - Have not received
VCA Workplans - Reviewed, will give Lawson comments on Thursday via phone
Assembly D CSI - Have not received
CAMP - Have not received

*** Arrange for Otis**

Done

*** Complete questionnaire**

Done

NSA Memphis - Environmental (Tonya Barker)

- Issue Service call with DynCorp.....

Rob Did this

-Complete the disposal of IDW from Assembly A investigation

Contract has been awarded. Completion scheduled for July 15

-Remove and dispose of soil pile at SWMU 1 using Dyncorps

Removal was done on June 18

-Coordinate with TDEC on radiation survey

Brian Donaldson informed team that a new radiation survey guidance is coming out soon and that the survey should be coordinated with John Richards at EPA through Brian Donaldson.

-Arrange for cleanup of SWMU 66 by Dyncorps

Area is overgrown with vegetation. Pesticides and herbicides were recently applied to control weeds and yellow jackets. Will see what pesticides and herbicides were used in this area. Work should be complete by end of summer.

-Monitor the proposed demolition for Building N-121, and notify the BCT of the schedule once it has been established.

Tonya will check with Rob Williamson

-Complete the "Keys to Opening the Door to BCT Success" questionnaire

Done

-Assemble "before and after" photographs of SWMUs 66 & 67 for presentation at the July RAB meeting.

Rob will do this

-Coordinate the cleaning of the storm drain near SWMU 57. Notify Jim Morrison in advance so that he can attend the field work. Dye trace the line before cleaning. Photograph the drain inlet before and after the cleaning.

Dye test was done. The drain goes to the North and then out to the ditch. Drain and ditch will be sampled.

-For tank removal work under the slab at building S-74, ensure PCBs and VOCs are included in the soil testing

Done with Corps of Engineers. Have not got anything back yet.

SOUTH DIV (David Porter)

- Coordinate with the Base Reuse Committee on the placement of the roadway at SWMU 60.

Reconfirm the limitation of reuse of landfill areas.

Got additional info from Jim Fergusson. TDOT has policy to avoid placing roads over landfills. May be able to shift road west of "hot spot" in SWMU 60.

-Coordinate with base reuse committee of innovative property transfer.....

Discussed on Wednesday

- Revise the Charter based on comments provided at the May BCT meeting.
Done. Charter signed by members.
- Draft letter regarding low attendance....
Done. Captain Mallory will review draft letter and questionnaire.
- Coordinate with Freda Ellerbrook...
Wait till letter and questionnaire are sent.
- Arrange for Darrell Molzan to attend...
Will be there. EIS scheduled to be complete in November.

SOUTHDIV (Mark Taylor)

- Follow up with PWC Jacksonville.....
George gave up on writing report and sent data to Jed Costanza at Naval Facilities Engineering Service Center in California. Should get report within a couple of weeks.
- Complete the "Keys to Opening the Door to BCT Success" questionnaire
Done

TDEC (Jim Morrison)

- Organize radiation survey by TDEC personnel for June/July
Working on this with Rob Williamson.
- Review deliverables to be provided in June:

SWMU 1	Will Do
SWMU 5	Will Do
SWMU 60	Have not received
VCA Workplans	Will do
Assembly D CSI	Have not received
CAMP	Have not received
- Complete the "Keys to Opening the Door to BCT Success" questionnaire.
Done

USGS (Jack Carmichael)

- Arrange for Rick Miller.....
Done. Met with Rick on Tuesday.
- Arrange a course on the use of modeling
Done. Training on Tuesday.
- Complete the "Keys to Opening the Door to BCT Success" questionnaire.
Done

Tuesday, June 25, 1996

USGS Training on use of Modeling by James Robinson of USGS.

USGS believes that there is a possible fault(s) (Graben) near the apron area. Modeling done by James Robinson should be complete in September 1996.

Rick Miller, Kansas Geological Survey- Rick thought the area appears to be acoustically feasible to use seismic. Probably not feasible under apron due to culture.

Wednesday, June 26, 1996

Met with Captain Mallory in the CO's Conference Room at 8:30 am.

Ponds

Captain Mallory decided to keep the "No Fishing" signs posted at SWMU 9. Also decided to have a "catch and release" policy for the golf course ponds. No restrictions for the Navy Ponds at this time.

RAB Attendance

Captain Mallory is not opposed to sending a letter and questionnaire to the RAB. He will review the draft letter and questionnaire and e-mail David Porter with any changes.

Meeting with Base Transition Officer, Reuse Committee, and Airport Authority

According to David Porter, the EIS should be complete in November 1996. Once the EIS is complete, can begin transferring property. David Porter informed the attendees that airfield parcel may transferred under an innovative transfer (land transferred and the Navy retains the ownership of the contaminated groundwater). The highest priority for transfer still appears to be the airfield parcel.

The Navy will occupy the fire training area (SWMU 5) until December 1996.

TDOT proposed roadway map has an area marked as "Archeological Study Area". The NEPA assessment did not identify any archeological areas within the base. The reuse committee will contact TDOT regarding the status of this area and determine if proposed reuse for the area will be affected.

SWMU 57

A sediment/sludge sample was collected from the drain during the walk-through of the area. This sample will be analyzed for F001-F005 constituents and TCLP for metal and organics (excluding pesticides). According to a dye trace conducted by the Activity, the drain flow to the North towards the ditch. The Activity will sample the ditch based on the result from the drain sample as part of the overall investigation.

Jack Carmichael will check with Rick Miller to see if the past proposal would need modifications if further seismic investigations are conducted. Jack will discuss this at the next BCT meeting.

The BCT concluded that Dr. Rouhani should look at available data to see if additional monitoring wells are needed.

Lawson will check with Ensaf's biological expert to see if pilot studies can be done at this point.

Ensaf will send data on SWMU 8 and finalize report. Ensaf will also look into the cost of disposal options.

Ensaf and the Navy will prepare a proposal for the remaining groundwater sampling along with a rationale.

The BCT determined that the SWMU 60 RFI report is the highest priority for review followed by the RFI reports for SWMU 1 and SWMU 5. Brian Donaldson informed the BCT that Risk Assessment reviews by EPA are going to take longer due to Ted Simon's departure.

Brian Donaldson gave Ensaf Earl Bozeman's (EPA) comments on the Ecological Risk Assessment. Mr. Donaldson informed the BCT that this comments may change after Earl conducts his walk-through next month.

Possible Agenda Items for next month's RAB

Fish Sampling at SWMU 9 and future sampling at Northside ponds

Before and After photographs at SWMU 67

Up-coming funding issues - Mark Taylor

SWMU 10 results

DRAFT AGENDA

RESTORATION ADVISORY BOARD (RAB) MEETING

Baker Community Center
Tuesday, 23 July 1996, 6:30 p.m.

Welcome and Introductions

CDR Works, Executive Officer, NSA Memphis
George R. Harvell, Jr, Mayor, City of Millington

BRAC Cleanup Team Status Update

- Administrative Issues (meeting frequency, attendance, meeting content)
- Updated Color Map Indicating Environmental Condition of Property
 - Status of Tank Removal Projects
- Overall Timeline for Environmental Cleanup and Schedule for Property Transfer
Mr. David Porter, Southern Division, Naval Facilities Engineering Command

Status of the Environmental Impact Statement (EIS)/Record of Decision (ROD)

Mr. Darrell Molzan, Southern Division, Naval Facilities Engineering Command

Risk Ranking and the Budget Process

Mr. Mark Taylor, Southern Division, Naval Facilities Engineering Command

Results from Fish Tissue Sampling at the South Side Sewage Lagoons

Mr. Jim Morrison, Tennessee Department of Environment and Conservation

Cleanup of the Horse Pasture Dump

Mr. Rob Williamson, NSA Memphis

Report from Members on Presentations to Community Groups

RAB Community Members

Updates from the
Millington Municipal Airport Authority
and the

Millington Base Reuse Committee

Mr. Frank Ryburn, Millington Municipal Airport Authority
Mr. Jim Ferguson, Millington Base Reuse Committee

Questions and Answers

Date and Agenda for Next Meeting/ Closing Remarks

CDR Works, Executive Officer, NSA Memphis
George R. Harvell, Jr, Mayor, City of Millington

10 AREAS IDENTIFIED AS NEEDING IMPROVEMENT

"Keys To Opening The Door To BCT Success" Questionnaire

Teamwork, Empowerment, and Shared Goals

- Team members should attend environmental and BRAC training together.
"Some training seems to be set up for Navy and Regulators only."
"EPA has had training where other BCT members did not attend. Should provide better notification of available training. Also, contractors are not allowed at some training."

Consensus Building

- BCT members should encourage RAB members to fulfill their responsibilities to be liaisons with their local communities.
"The BCT always encourages RAB members, however, some RAB members are unable to fulfill their responsibilities all the time."
"There is little interest in the community."
- The BCT should recognize the BTC as the individual responsible for coordination between the BCT, the Local Redevelopment Authority (LRA), and the community.
"This may be the BCT's role, but this role hasn't been affected as well as could be."
"The BCT is in a state of constant change - in the last 2 years there have been 4 BCTs."
"The BTC has shown little interest in environmental issues."

Communication and Community Outreach

- Get the message out about the positive results from Fast-Track Cleanup at your installation.
- Demonstrate the integration of BRAC cleanup alternatives and associated costs with intended reuse scenarios and explain the integration to the RAB and LRA.
- Cross-fertilize Fast-Track ideas and experiences by sharing them with other BCTs.
"Due to budget constraints on travel and training, we are unable to communicate ideas as often as are needed."
"Has been done somewhat through Community Relations personnel who serve several RABs."

Coordination of Contracts and Schedules

- The BCT should include contracting officials in scheduling and planning activities.
- The concerns of the BCT should be represented throughout the contracting process to ensure that such concerns are addressed.

Efficient Procedures

- Methods to measure and document cost and time savings should be developed.
"EPA management is interested in the amount of time savings and costs savings. However, this has been difficult to quantify. Need to do a better job of tracking cost and time savings."
- All BCT members should clearly understand and take advantage of the full resources available through their respective services and agencies.
"Budget constraints hinder the BCT members from taking advantage of all our resources."
"EPA has many resources which are available. While some have been utilized, there are still many available."

CHARTER

for the
BRAC CLEANUP TEAM (BCT)

NAVAL SUPPORT ACTIVITY (NSA) MEMPHIS

VISION: Environmentally safe property for the best use by the community and the Navy.

MISSION: The BCT, through efficient teamwork and interaction with the community, will cost effectively investigate, evaluate, and remediate NSA Memphis to achieve environmentally safe property, consistent with regulatory requirements and the President's fast-track cleanup objectives.

GOALS:

- To accomplish the President's fast-track cleanup objectives for expediting property transfer, while ensuring protection of public health and the environment.
- To use systematic approaches to problem solving, common sense, and innovative steps to accelerate the cleanup process, within the constraints of existing environmental laws and regulations, to avoid "business as usual" delays.
- To work together in partnership with the local community and reuse committee in meeting their needs and priorities.
- To promote prudent stewardship of the taxpayer's money, by accomplishing cleanup goals in a financially responsible, reasonable, and efficient manner.
- To seek, evaluate, and implement expert advice from outside sources when necessary.
- To foster effective communication among BCT and Project Team members, and respect the personalities, opinions, and unique qualifications and talents of each member.
- To reinforce the team with honest feedback and continual improvement throughout the life of the project.
- To complete the BCT Business Plan's goals and objectives, including:
 - (1) Close-out of no further action (NFA) Solid Waste Management Units (SWMUs)
 - (2) Removal of asbestos and tanks
 - (3) Holistic investigation of groundwater
 - (4) Pursuit of innovative land-transfer options
 - (5) Completion of needed remediation/removals

signed at NSA Memphis
26 June 1996